

## CLAIMS

1. An information transmission system comprising;

a plurality of self-controlling type robots which voluntarily decide actions thereof, each having inheritance information memory means for storing inheritance information of the robot, and inheritance information output means for outputting the inheritance information stored in the inheritance information memory means to outside; and

mating means for combining a plurality of pieces of inheritance information output from the inheritance information output means of the robots to produce new inheritance information to be stored in inheritance information memory means of another self-controlling type robot.

2. The information transmission system according to claim 1, wherein the inheritance information has at least a piece of information among information for deciding constitution, information for deciding form, and information for deciding actions of the robot.

3. The information transmission system according to claim 1, wherein each of the robots has inheritance information renewal means for renewing the inheritance information stored in the inheritance information memory means by self-controlling actions.

4. The information transmission system according to claim 3, wherein each of the robots has parameter change means for changing parameters according to external

factors or internal factors, and action decision means for deciding actions according to the parameters; and

the inheritance information renewal means extracts the parameters as inheritance information to renew the inheritance information by the use of the extracted inheritance information.

5. The information transmission system according to claim 1, wherein each of the robots transmits the inheritance information stored in the inheritance information output means to the mating means by radio communication or wire communication; and

the mating means produces the new inheritance information by the use of a plurality of pieces of inheritance information transmitted from the robots.

6. The information transmission system according to claim 1, wherein each of the robots records the inheritance information stored in the inheritance information output means to a detachable information recording medium; and

the mating means produces the new inheritance information by the use of a plurality of pieces of inheritance information recorded in the information recording medium.

7. The information transmission system according to claim 1, wherein the mating means performs accounting according to the combination of the inheritance information.

8. An information transmission method comprising the steps of;

combining a plurality of pieces of inheritance information output from a plurality of self-controlling type robots which voluntarily decide actions thereof to produce new inheritance information; and

making another self-controlling type robot succeed to the new inheritance information.

9. A plurality of self-controlling type robots which voluntarily decide action thereof, each having mating means for combining a plurality of pieces of inheritance information of a plurality of another robots to produce new inheritance information;

inheritance information memory means for storing the inheritance information produced by said mating means; and

inheritance information output means for outputting the inheritance information stored in said inheritance information memory means.

10. The robot according to claim 9 wherein said inheritance information comprise at least a piece of information out of information for deciding constitution, information for deciding form, and information for deciding actions of said robot.

11. The robot according to claim 9 comprising inheritance information renewal means for renewing inheritance information stored in said inheritance information memory means by the self-controlling actions.

12. The robot according to claim 11 comprising parameter change means for changing parameters according to external factors and internal factors, and action decision means for deciding action according to said parameters; wherein

said inheritance information renewal means extracts said parameters as inheritance information to renew the inheritance information by use of the extracted inheritance information.

13. The robot according to claim 9 comprising receiving means for receiving inheritance information output by said another robots by radio communication or wire communication, wherein

said mating means produces said new inheritance information by a plurality of pieces of inheritance information received by said receiving means.

14. The robot according to claim 9 comprising a recording medium mounting part in which an information recording medium for storing inheritance information of said another robots is detachable; wherein

said mating means produces said new inheritance information by the use of a plurality of pieces of said inheritance information recorded in said information recording medium.

15. An information transmission method comprising;

mating step for combining a plurality of inheritance information output from a plurality of robots to produce new inheritance information;

memory step for storing the inheritance information produced by said mating step in inheritance information memory means; and

inheritance information output step for outputting the inheritance information stored in said inheritance information memory means.

16. An information recording medium storing therein information for causing a plurality of robots to execute the steps of;

combining inheritance information of a plurality of another robots to produce new inheritance information;

storing the inheritance information produced by said mating step in inheritance information memory means; and

outputting the inheritance information stored in said inheritance information memory means.

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17. An on-line sales system for selling inheritance information of a self-controlling type robots which voluntarily decide actions, comprising;

a first terminal for registering inheritance information of said robot on the on-line;

a second terminal for purchasing inheritance information of the desired robot out of said registered robots; and

a sales server for having inheritance information of said robot registered and for selling the inheritance information of said registered robots.

18. The on-line sales system according to claim 17 wherein said sales server comprises mating means for combining a plurality of pieces of inheritance information of a plurality of said robots; and

said purchase is a purchase of new inheritance information obtained by transmitting inheritance information of said robot to said sales server through said

second terminal and by combining said inheritance information and inheritance information of said desired robot by said mating means.

19. The on-line sales system according to claim 17 wherein said purchase is a purchase of an information recording medium in which said inheritance information is recorded through said second terminal.

20. The on-line sales system according to claim 17 wherein said purchase is a purchase of said robot having said inheritance information through said second terminal.

21. The on-line sales system according to claim 17 wherein said inheritance information comprises at least a piece of information out of information for deciding constitution, information for deciding form, and information for deciding action of said robot.

22. The on-line sales system according to claim 17 wherein said sales server comprises ID information registration means for setting inherent ID information to said first terminal and said second terminal.

23. The on-line sales system according to claim 17 wherein said sales server comprises memory means for storing inheritance information of said registered robot through said first terminal.

24. An on-line sales method comprising:

registration step for registering inheritance information of a self-controlling type robot for voluntarily deciding action sent through a first terminal in on-line; and

sales step for selling inheritance information of said robot registered by said registration step through a second terminal.

25. A sales server comprising:

registration means for registering inheritance information of a self-controlling type robot for voluntarily deciding action sent through a first terminal in on-line; and

sales means for selling inheritance information of said robot registered by said registration step through a second terminal.